# SEQUENCE LISTING

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(1) GENERAL INFORMATION:	
(i) APPLICANT: Campbell, Robert K.  Jameson, Bradford A.  Chappel, Scott C.	
(ii) TITLE OF INVENTION: HYBRID PROTEINS	
(iii) NUMBER OF SEQUENCES: 22	
<ul> <li>(iv) CORRESPONDENCE ADDRESS:</li> <li>(A) ADDRESSEE: BROWDY AND NEIMARK</li> <li>(B) STREET: 419 Seventh Street N.W., Ste. 300</li> <li>(C) CITY: Washington</li> <li>(D) STATE: D.C.</li> <li>(E) COUNTRY: USA</li> <li>(F) ZIP: 22207</li> </ul>	
<ul> <li>(v) COMPUTER READABLE FORM:</li> <li>(A) MEDIUM TYPE: Floppy disk</li> <li>(B) COMPUTER: IBM PC compatible</li> <li>(C) OPERATING SYSTEM: PC-DOS/MS-DOS</li> <li>(D) SOFTWARE: PatentIn Release #1.0, Version #1.30</li> </ul>	
<ul><li>(vi) PRIOR APPLICATION DATA:</li><li>(A) APPLICATION NUMBER: 60/011,936</li><li>(B) FILING DATE: 20 February 1996</li><li>(C) CLASSIFICATION:</li></ul>	
<pre>(viii) ATTORNEY/AGENT INFORMATION:     (A) NAME: Browdy, Roger L.     (B) REGISTRATION NUMBER: 25,618     (C) REFERENCE/DOCKET NUMBER: CAMPBELL=2A</pre>	
(ix) TELECOMMUNICATION INFORMATION: (A) TELEPHONE: (202) 628-5197 (B) TELEFAX: (202) 737-3528	
(2) INFORMATION FOR SEQ ID NO:1:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 1049 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> <li>(ii) MOLECULE TYPE: cDNA</li> </ul>	
(ix) FEATURE: (A) NAME/KEY: CDS (B) LOCATION: 2781047	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:	
TCCACATGGC TACAGGTAAG CGCCCCTAAA ATCCCTTTGG GCACAATGTG TCCTGAGGGG	60
AGAGGCAGCG ACCTGTAGAT GGGACGGGG CACTAACCCT CAGGTTTGGG GCTTCTCAAT	120
CTCACTATCG CCATGTAAGC CCAGTATTTG GCCAATCTCA GAAAGCTCCT CCTCCCTGGA	180
GGGATGGAGA GAGAAAAACA AACAGCTCCT GGAGCAGGGA GAGTGCTGGC CTCTTGCTCT	240

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CCGGCTCCCT CTGTTGCCCT CTGGTTTCTC CCCAGGC TCC CGG ACG TCC CTG CTC Ser Arg Thr Ser Leu Leu 1 5

			GGC Gly 10												343
			TGT Cys												391
			ACC Thr												439
			GGG Gly												487
			TCA Ser												535
			GAA Glu 90												583
			GTG Val												631
			CTT Leu												679
			CTC Leu								Thr				727
			TTC Phe												775
			GGT Gly 170												823
	Gln	Pro	GGT Gly	Ala	Pro	Ile	Leu	Gln	Cys	Met	Gly	Cys	Cys		871
			CCC Pro												919
			ACC Thr												967
			GTC Val												1015
CAC His			ACT Thr 250							TA	AG				1049

### (2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 256 amino acids
  - (B) TYPE: amino acid(D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Ser Arg Thr Ser Leu Leu Leu Ala Phe Gly Leu Leu Cys Leu Pro Trp
1 5 10 15

Leu Gln Glu Gly Ser Ala Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile 20 25 30

His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys Gly Thr 35 40 45

Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp Cys Arg
50 60

Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu Arg His 65 70 75 80

Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val Glu Ile 85 90 95

Ser Ser Cys Thr Val Asp Arg Asp Thr Val Cys Gly Cys Arg Lys Asn 100 105 110

Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe Asn Cys 115 120 125

Ser Leu Cys Leu Asn Gly Thr Val His Leu Ser Cys Gln Glu Lys Gln 130 135 140

Asn Thr Val Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu Asn Glu 145 150 155 160

Cys Val Ser Cys Ala Gly Ala Ala Pro Gly Cys Pro Glu Cys Thr Leu 165 170 175

Gln Glu Asn Pro Phe Phe Ser Gln Pro Gly Ala Pro Ile Leu Gln Cys 180 185 190

Met Gly Cys Cys Phe Ser Arg Ala Tyr Pro Thr Pro Leu Arg Ser Lys 195 200 205

Lys Thr Met Leu Val Gln Lys Asn Val Thr Ser Glu Ser Thr Cys Cys 210 215 220

Val Ala Lys Ser Tyr Asn Arg Val Thr Val Met Gly Gly Phe Lys Val 225 230 235 240

Glu Asn His Thr Gly Cys His Cys Ser Thr Cys Tyr Tyr His Lys Ser 245 250 255

### (2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 1202 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(ix) FEATURE:
(A) NAME/KEY: CDS
(B) LOCATION: 279..1199

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

(XI) SEQUENCE DESCRIPTION: SEQ ID NO:3:													
CTCGAGATGG CTACAGGTAA GCGCCCCTAA AATCCCTTTG GGCACAATGT GTCCTGAGGG	60												
GAGAGGTAGC GACCTGTAGA TGGGACGGGG GCACTAACCC TGAGGTTTGG GGCTTCTGAA	120												
TGTGAGTATC GCCATGTAAG CCCAGTATTT GGCCAATGTC AGAAAGCTCC TGGTCCCTGG	180												
AGGGATGGAG AGAGAAAAC AAACAGCTCC TGGAGCAGGG AGAGTGCTGG CCTCTTGCTC	240												
TCCGGCTCCC TCTGTTGCCC TGTGGTTTCT CCCCAGGC TCC CGG ACG TCC CTG Ser Arg Thr Ser Leu 260													
CTC CTG GCT TTT GGC CTG CTC TGC CTG CCC TGG CTT CAA GAG GGC AGT Leu Leu Ala Phe Gly Leu Leu Cys Leu Pro Trp Leu Gln Glu Gly Ser 265 270 275	341												
GCC GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT Ala Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile His Pro Gln Asn Asn 280 285 290	389												
TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC Ser Ile Cys Cys Thr Lys Cys His Lys Gly Thr Tyr Leu Tyr Asn Asp 295 300 305	437												
TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC Cys Pro Gly Pro Gly Gln Asp Thr Asp Cys Arg Glu Cys Glu Ser Gly 310 315 320 325	485												
TCT TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC TGC TCC Ser Phe Thr Ala Ser Glu Asn His Leu Arg His Cys Leu Ser Cys Ser 330 335 340	533												
AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG Lys Cys Arg Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val 345 350 355	581												
GAC CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT Asp Arg Asp Thr Val Cys Gly Cys Arg Lys Asn Gln Tyr Arg His Tyr 360 365 370	629												
TGG AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT Trp Ser Glu Asn Leu Phe Gln Cys Phe Asn Cys Ser Leu Cys Leu Asn 375 380 385	677												
GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC Gly Thr Val His Leu Ser Cys Gln Glu Lys Gln Asn Thr Val Cys Thr 390 395 400 405	725												
TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT GCT Cys His Ala Gly Phe Phe Leu Arg Glu Asn Glu Cys Val Ser Cys Ala 410 415 420	773												
GGT GCT GGT CCA CGG TGC CGC CCC ATC AAT GCC ACC CTG GCT GTG GAG Gly Ala Gly Pro Arg Cys Arg Pro Ile Asn Ala Thr Leu Ala Val Glu 425 430 435	821												
AAG GAG GGC TGC CCC GTG TGC ATC ACC GTC AAC ACC ACC ATC TGT GCC Lys Glu Gly Cys Pro Val Cys Ile Thr Val Asn Thr Thr Ile Cys Ala 440 445 450	869												





### (2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 307 amino acids
  - (B) TYPE: amino acid
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Ser Arg Thr Ser Leu Leu Leu Ala Phe Gly Leu Leu Cys Leu Pro Trp
1 5 10 15

Leu Gln Glu Gly Ser Ala Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile 20 25 30

His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys Gly Thr 35 40 45

Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp Cys Arg
50 60

Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu Arg His 65 70 75 80

Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val Glu Ile 85 90 95

Ser Ser Cys Thr Val Asp Arg Asp Thr Val Cys Gly Cys Arg Lys Asn 100 105 110

Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe Asn Cys 115 120 125

Ser Leu Cys Leu Asn Gly Thr Val His Leu Ser Cys Gln Glu Lys Gln 130 135 140

Asn 145	Thr	Val	Cys	Thr	Cys 150	His	Ala	Gly	Phe	Phe 155	Leu	Arg	Glu	Asn	Glu 160
Cys	Val	Ser	Cys	Ala 165	Gly	Ala	Gly	Pro	Arg 170	Суѕ	Arg	Pro	Ile	Asn 175	Ala
Thr	Leu	Ala	Val 180	Glu	Lys	Glu	Gly	Cys 185	Pro	Val	Cys	Ile	Thr 190	Val	Asn
Thr	Thr	Ile 195	Cys	Ala	Gly	Tyr	Cys 200	Pro	Thr	Met		Arg 205	Val	Leu	Gln
Gly	Val 210	Leu	Pro	Ala	Leu	Pro 215	Gln	Val	Val	Cys	Asn 220	Tyr	Arg	Asp	Val
Arg 225	Phe	Glu	Ser	Ile	Arg 230	Leu	Pro	Gly	Cys	Pro 235	Arg	Gly	Val	Asn	Pro 240
Val	Val	Ser	Tyr	Ala 245	Val	Ala	Leu	Ser	Cys 250	Gln	Cys	Ala	Leu	Cys 255	Arg
Arg	Ser	Thr	Thr 260	Asp	Cys	Gly	Gly	Pro 265	Lys	Asp	His	Pro	Leu 270	Thr	Cys
Asp	Asp	Pro 275	Arg	Phe	Gln	Asp	Ser 280	Ser	Ser	Ser	Lys	Ala 285	Pro	Pro	Pro
Ser	Leu 290	Pro	Ser	Pro	Ser	Arg 295	Leu	Pro	Gly	Pro	Ser 300	Asp	Thr	Pro	Ile
Leu 305	Pro	Gln													

- (2) INFORMATION FOR SEQ ID NO:5:
  - (i) SEQUENCE CHARACTERISTICS:

    (A) LENGTH: 1147 base pairs

    (B) TYPE: nucleic acid

    (C) STRANDEDNESS: single

    (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: cDNA
  - (ix) FEATURE:

    - (A) NAME/KEY: CDS (B) LOCATION: 278..1132
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

TCGAGATGGC TACAGGTAAG CGCCCCTAAA ATCCCTTTGG GCACAATGTG TCCTGAGGGG	60
AGAGGCAGCG ACCTGTAGAT GGGACGGGGG CACTAACCCT CAGGTTTGGG GCTTTTGAAT	120
GTGAGTATGG CCATGTAAGC CCAGTATTTG CCCAATCTCA GAAAGCTCCT GGTCCCTGGA	180
GGGATGGAGA GAGAAAAACA AACAGCTCCT GGAGCAGGGA CACTCCTGGC CTCTTGCTCT	240
GCGGCTCCGT GTGTTTCCC CCCACGC TCC CGG ACG TCC CTC Ser Arg Thr Ser Leu Leu 310	295
CTG GCT TTT GGC CTG CTC TGC CTG CCC TGG CTT CAA GAG GGC AGT GCC Leu Ala Phe Gly Leu Leu Cys Leu Pro Trp Leu Gln Glu Gly Ser Ala 315 320 325	343

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	Ser		TGT Cys													391
			ACC Thr		Cys											439
			GGG Gly 365	Gln					Arg							487
			TCA Ser													535
			GAA Glu													583
			GTG Val													631
			CTT Leu													679
			CTC Leu 445													727
			TTC Phe													775
			AGC Ser													823
			GGC Gly													871
			GAA Glu													919
GGT Gly	GCC Ala	CCA Pro	ATA Ile 525	CTT Leu	CAG Gln	TGC Cys	ATG Met	GGC Gly 530	TGC Cys	TGC Cys	TTC Phe	TCT Ser	AGA Arg 535	GCA Ala	TAT Tyr	967
			CTA Leu													1015
			TCC Ser													1063
			GGT Gly													1111
			TAT Tyr				TAAG	GATC	CC T	CGAG	:					1147

#### (2) INFORMATION FOR SEQ ID NO:6:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 285 amino acids
  - (B) TYPE: amino acid
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Ser Arg Thr Ser Leu Leu Leu Ala Phe Gly Leu Leu Cys Leu Pro Trp Leu Gln Glu Gly Ser Ala Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu Arg His Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val Asp Arg Asp Thr Val Cys Gly Cys Arg Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe Asn Cys 120 Thr Leu Cys Leu Asn Gly Thr Val His Leu Ser Cys Gln Glu Lys Gln 135 Asn Thr Val Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu Asn Glu Cys Val Ser Cys Ser Asn Cys Lys Lys Ser Leu Glu Cys Thr Lys Leu Ser Leu Pro Gln Ile Glu Asn Val Lys Gly Thr Glu Asp Ser Gly Thr Thr Ala Gly Ala Ala Pro Gly Cys Pro Glu Cys Thr Leu Gln Glu Asn Pro Phe Phe Ser Gln Pro Gly Ala Pro Ile Leu Gln Cys Met Gly Cys 215 Cys Phe Ser Arg Ala Tyr Pro Thr Pro Leu Arg Ser Lys Lys Thr Met Leu Val Gln Lys Asn Val Thr Ser Glu Ser Thr Cys Cys Val Ala Lys Ser Tyr Asn Arg Val Thr Val Met Gly Gly Phe Lys Val Glu Asn His 265

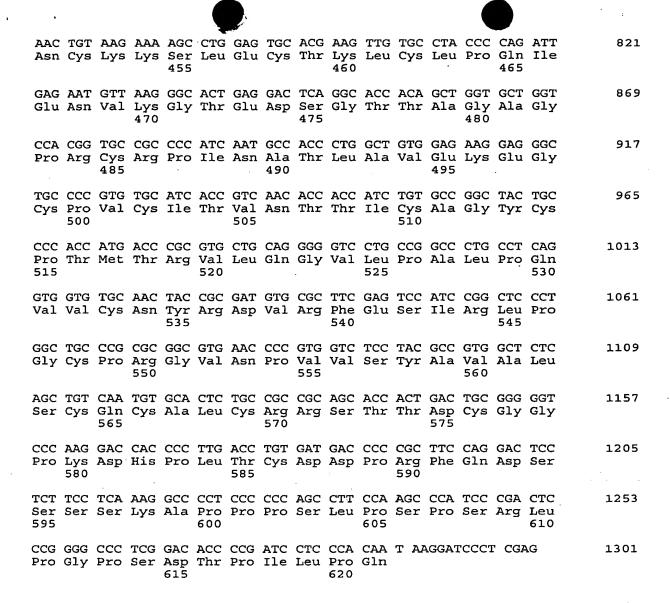
Thr Ala Cys His Cys Ser Thr Cys Tyr Tyr His Lys Ser

# (2) INFORMATION FOR SEQ ID NO:7:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 1301 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (ix) FEATURE:

  - (A) NAME/KEY: CDS (B) LOCATION: 279..1287
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

СТС	GAGA	TGG	CTAC	AGGT	AA G	CGCC	CCTA	A AA	TCCC	TTTG	GGC.	ACAA	TGT	GTCC	TGAGGG	60
GAG	AGGC	AGC	GACC	TGTA	GA T	GGGA	CGGG	G GC.	ACTA	ACCC	TCA	GGTT	TGG	GGCT	TCTGAA	120
TGT	GAGT	ATC	GCCA	TGTA	AG C	CCAG	TATT'	T GG	CCAA	TGTC	AGA	AAGC	TCC	TGGT	CCCTGG	180
AGG	GATG	GAG	AGAG	AAAA	AC A	AACA	CCTC	C TG	GAGC	AGGG	AGA	GTGC	TGC	CCTC	TTGCTC	240
TCCGGCTCCC TCTGTTGCCC TCTGGTTTCT CCCCAGGC TCC CGG ACG TCC CTG  Ser Arg Thr Ser Leu  290  CTC CTG GCT TTT GGC CTG CTC TGC CTG CCC TGG CTT CAA GAG GGC AGT														eu	293	
	CTG Leu															341
_	GAT Asp															389
	ATT Ile															437
	CCA Pro 340															485
TCC Ser 355	TTC Phe	ACC Thr	GCT Ala	TCA Ser	GAA Glu 360	AAC Asn	CAC His	CTC Leu	AGA Arg	CAC His 365	TGC Cys	CTC Leu	AGC Ser	TGC Cys	TCC Ser 370	533
	TGC Cys															581
	CGG Arg															629
	AGT Ser															677 ·
GGG Gly	ACC Thr 420	GTG Val	CAC His	CTC Leu	TCC Ser	TGC Cys 425	CAG Gln	GAG Glu	AAA Lys	CAG Gln	AAC Asn 430	ACC Thr	GTG Val	TGC Cys	ACC Thr	725
	CAT His															773



## (2) INFORMATION FOR SEQ ID NO:8:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 336 amino acids
  - (B) TYPE: amino acid
  - (D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Ser Arg Thr Ser Leu Leu Leu Ala Phe Gly Leu Leu Cys Leu Pro Trp 1 5 10 15

Leu Gln Glu Gly Ser Ala Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile 20 25 30

His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys Gly Thr 35 40 45

Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp Cys Arg
50 55 60

Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu Arg His 75 Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val Asp Arg Asp Thr Val Cys Gly Cys Arg Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe Asn Cys Ser Leu Cys Leu Asn Gly Thr Val His Leu Ser Cys Gln Glu Lys Gln Asn Thr Val Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu Asn Glu Cys Val Ser Cys Ser Asn Cys Lys Lys Ser Leu Glu Cys Thr Lys Leu Cys Leu Pro Gln Ile Glu Asn Val Lys Gly Thr Glu Asp Ser Gly Thr Thr Ala Gly Ala Gly Pro Arg Cys Arg Pro Ile Asn Ala Thr Leu Ala Val Glu Lys Glu Gly Cys Pro Val Cys Ile Thr Val Asn Thr Thr Ile Cys Ala Gly Tyr Cys Pro Thr Met Thr Arg Val Leu Gln Gly Val Leu 230 Pro Ala Leu Pro Gln Val Val Cys Asn Tyr Arg Asp Val Arg Phe Glu Ser Ile Arg Leu Pro Gly Cys Pro Arg Gly Val Asn Pro Val Val Ser Tyr Ala Val Ala Leu Ser Cys Gln Cys Ala Leu Cys Arg Arg Ser Thr Thr Asp Cys Gly Gly Pro Lys Asp His Pro Leu Thr Cys Asp Asp Pro Arg Phe Gln Asp Ser Ser Ser Lys Ala Pro Pro Pro Ser Leu Pro Ser Pro Ser Arg Leu Pro Gly Pro Ser Asp Thr Pro Ile Leu Pro Gln 330

### (2) INFORMATION FOR SEQ ID NO:9:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 6 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Ala Gly Ala Ala Pro Gly

(2)	INFORMATION FOR SEQ. ID NO:10:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 4 amino acids</li> <li>(B) TYPE: amino acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(ii) MOLECULE TYPE: peptide	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:	
	Ala Gly Ala Gly	
(2)	INFORMATION FOR SEQ ID NO:11:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 30 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(ii) MOLECULE TYPE: cDNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:	
TTT	TCTCGAG ATGGCTACAG GTAAGCGCCC	30
(2)	INFORMATION FOR SEQ ID NO:12:	
• .	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 39 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: cDNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:	
ACC	IGGGGCA GCACCGGCAC AGGAGACACA CTCGTTTTC	39
(2)	INFORMATION FOR SEQ ID NO:13:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 42 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(ii) MOLECULE TYPE: cDNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:	
TGTG	GCCGGTG CTGCCCCAGGA TGCACGCTAC AG	42
(2)	INFORMATION FOR SEQ ID NO:14:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 36 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: single</li></ul>	

	(b) TOPOLOGY: Tinear	
	(ii) MOLECULE TYPE: cDNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:	
TTT	TGGATCC TTAAGATTTG TGATAATAAC AAGTAC	36
(2)	INFORMATION FOR SEQ ID NO:15:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 39 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(ii) MOLECULE TYPE: cDNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:	
CCG	TGGACCA GCACCAGCAC AGGAGACACA CTCGTTTTC	39
(2)	INFORMATION FOR SEQ ID NO:16:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 36 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(ii) MOLECULE TYPE: cDNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:	
TGT	GCTGGTG CTGGTCCACG GTGCCGCCCC ATCAAT	36
(2)	INFORMATION FOR SEQ ID NO:17:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 32 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(ii) MOLECULE TYPE: cDNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:	
TTT	TGGATCC TTATTGTGGG AGGATCGGGG TG	32
(2)	INFORMATION FOR SEQ ID NO:18:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 27 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(ii) MOLECULE TYPE: cDNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:	
TTTT	AGATCT CTTCTTGCAC AGTGGAC	27

(2)	INFO	RMATION FOR SEQ'ID NO:19:	
	(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 21 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: cDNA	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:19:	٠.
TGT	GGTGC	CT GAGTCCTCAG T	21
(2)	INFO	RMATION FOR SEQ ID NO:20:	
	(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 41 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: cDNA	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:20:	
ACTO	GAGGA	CT CAGGCACCAC AGCCGGTGCT GCCCCAGGTT G	41
(2)	INFO	RMATION FOR SEQ ID NO:21:	
	(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 29 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: cDNA	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:21:	
TTTI	TCTA	GA GAAGCAGCAG CAGCCCATG	29
(2)	INFO	RMATION FOR SEQ ID NO:22:	
	(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 75 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: cDNA	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:22:	
TTTI	CCACA	AG CCAGGGTGGC ATTGATGGGG CGGCACCGTG GACCAGCACC AGCTGTGGTG	60
ССТС	יאפיים	CACTG	75